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[Continued on next page]

(54) Title: PEPTABODY FOR CANCER TREATMENT



**Amino acid sequence of peptabody irrelevant :**  
MYSFEDLHHHHHGGDLGPQMLRELQETNAALQDVRDYLRQLVREITFLKN  
TVMECDACGMQQTSPPTPTPTSPSTPTPTSPRS\*

**Amino acid sequence of peptabody EGF :**  
MYSFEDLHHHHHGGDLGPQMLRELQETNAALQDVRDYLRQLVREITFLKN  
TVMECDACGMQQTSPPTPTPTPTSPSTPTPTSPRSNSDSECPHSHDGHCLH  
DGVCMYEALDKYACNCVVG YIGERCQYRDLKWWELR\*

(57) Abstract: The present invention relates to an isolated and recombinant fusion peptabody, which binds to a member of the epidermal growth factor receptor useful in inhibiting the growth of certain tumor cells. Also disclosed are, nucleic acids encoding said isolated and recombinant fusion peptabody, kits and pharmaceutical compositions comprising said isolated and recombinant fusion peptabody as an active substance. Finally, a method for the manufacture of said isolated and recombinant fusion peptabody, and its use for the preparation of a medicament for the treatment or prevention of cancer are provided.

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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According to International Patent Classification (IPC) or to both national classification and IPC

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HOUIMEL MEHDI ET AL: "Selection of peptides and synthesis of pentameric peptabody molecules reacting specifically with ErbB-2 receptor" INTERNATIONAL JOURNAL OF CANCER, vol. 92, no. 5, 1 June 2001 (2001-06-01), pages 748-755, XP009034136 ISSN: 0020-7136	1,5-7, 11,12, 17-23, 25, 27-30, 35,36,39
Y	the whole document ----- -/--	1-44

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

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